

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

ATTY. DOCKET NO.
24736-2035

SERIAL NO.
09/834,700

APPLICANT
Braun

FILING DATE
April 12, 2001

GROUP

~~1845~~ 1634

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
gy	AA	6	0	4	3	0	3	1	03/28/00	Koster et al.	435	6	03/18/96
												103.5 R	11/06/72

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	
													Yes	No
gy	AB	9	8	3	5	6	0	9	08/20/98	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	None.

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS ENCODING THE SAME

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLA SS	SUB CLAS S	FILING DATE
g	AA	3	6	8	7	8	0	8	08/29/72	Merigan, Jr. <i>et al.</i>	195	28 N	08/14/69
	AB	3	8	1	7	8	3	7	06/18/74	Rubenstein <i>et al.</i>	195	103.5 R	11/06/72
	AC	3	8	5	0	7	5	2	11/26/74	Schuurs <i>et al.</i>	195	103.5	10/29/71
	AD	3	9	3	9	3	5	0	02/17/76	Kronick <i>et al.</i>	250	365	04/29/74
	AE	3	9	9	6	3	4	5	12/07/76	Ullman <i>et al.</i>	424	12	06/30/75
	AF	4	0	7	6	9	8	2	02/28/78	Ritter <i>et al.</i>	250	288	10/06/76
	AG	4	2	7	5	1	4	9	06/23/81	Litman <i>et al.</i>	435	7	11/24/78
	AH	4	2	7	7	4	3	7	07/07/81	Maggio	422	61	12/10/79
	AI	4	3	6	6	2	4	1	12/28/82	Tom <i>et al.</i>	435	7	08/07/80
	AJ	4	5	1	1	5	0	3	04/16/85	Olson <i>et al.</i>	260	112 R	06/01/84
	AK	4	5	6	8	6	4	9	02/04/86	Bertoglio-Matte	436	534	02/22/83
	AL	4	6	5	6	1	2	7	04/07/87	Mundy	435	6	04/23/84
	AM	4	6	8	3	1	9	5	07/28/87	Mullis <i>et al.</i>	435	6	02/07/86
	AN	4	6	8	3	2	0	2	07/28/87	Mullis	435	91	10/25/85
	AO	4	7	2	2	8	4	8	02/02/88	Paoletti <i>et al.</i>	424	89	06/19/84
	AP	4	8	2	6	3	6	0	05/02/89	Iwasawa <i>et al.</i>	406	51	02/25/87
	AQ	4	8	5	1	0	1	8	07/25/89	Lazzari <i>et al.</i>	55	356	11/20/87
	AR	4	9	8	1	9	5	7	01/01/91	Lebleu <i>et al.</i>	536	27	07/18/85
	AS	4	9	8	7	0	7	1	01/22/91	Cech <i>et al.</i>	435	91	12/03/86
	AT	4	9	9	8	6	1	7	04/12/91	Ladd, Jr. <i>et al.</i>	206	219	09/15/86
	AU	5	0	1	3	8	3	0	05/07/91	Ohtsuka <i>et al.</i>	536	27	02/12/90
✓	AV	5	0	2	5	9	3	9	06/25/91	Bunn <i>et al.</i>	215	100	12/11/89

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	AW	5	0	3	4	5	0	6	07/23/91	Summerton <i>et al.</i>	528	391	12/20/89
	AX	5	1	1	8	8	0	0	06/02/92	Smith <i>et al.</i>	536	23	02/27/91
	AY	5	1	1	8	9	3	7	06/02/92	Hillenkamp <i>et al.</i>	250	59/44	08/21/90
	AZ	5	1	2	2	3	4	2	06/16/92	McCulloch <i>et al.</i>	422	65	07/12/89
	BA	5	1	4	9	7	9	7	09/22/92	Pederson <i>et al.</i>	536	27	02/15/90
	BB	5	1	6	6	3	1	5	11/24/92	Summerton <i>et al.</i>	528	406	06/20/91
	BC	5	1	7	5	4	3	0	12/29/92	Enke <i>et al.</i>	250	282	05/17/91
	BD	5	1	8	5	4	4	4	02/09/93	Summerton <i>et al.</i>	544	81	11/21/91
	BE	5	2	1	4	1	3	4	05/25/93	Weis <i>et al.</i>	536	25.3	09/12/90
	BF	5	2	1	6	1	4	1	06/01/93	Benner	536	27.13	06/06/88
	BG	5	2	2	0	0	0	7	06/15/93	Pederson <i>et al.</i>	536	23.1	02/19/92
	BH	5	2	3	5	0	3	3	08/10/93	Summerton <i>et al.</i>	528	391	12/20/89
	BI	5	2	5	7	1	7	5	09/21/93	Schoen <i>et al.</i>	250	281	05/27/92
	BJ	5	2	5	6	7	7	5	10/26/93	Froehler	536	25.6	06/05/90
	BK	5	2	5	9	0	4	4	11/02/93	Isono <i>et al.</i>	385	2	05/05/92
	BL	5	2	6	4	5	6	2	11/23/93	Matteucci	536	23.1	04/24/91
	BM	5	2	6	4	5	6	4	11/23/93	Matteucci	536	23.1	07/30/90
	BN	5	2	7	3	7	1	8	12/28/93	Sköld <i>et al.</i>	422	101	08/07/91
	BO	5	2	8	3	1	7	3	02/01/94	Fields <i>et al.</i>	435	6	01/24/90
	BP	5	3	1	9	0	8	0	06/07/94	Leumann	536	27.1	10/13/92
	BQ	5	3	6	3	8	8	5	11/15/94	McConnell <i>et al.</i>	141	1	06/02/93
	BR	5	3	6	6	8	7	8	11/22/94	Pederson <i>et al.</i>	435	91.3	03/24/93
	BS	5	3	9	3	8	7	8	02/28/95	Leumann	536	28.2	03/17/94

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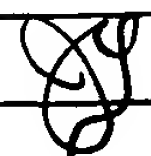

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24736-2035	SERIAL NO. 09/834,700
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	FILING DATE April 12, 2001	GROUP 1645

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLA SS	SUB CLAS S	FILING DATE
	BT	5	4	0	3	7	1	1	04/04/95	Walder <i>et al.</i>	435	6	07/06/93
	BU	5	4	0	5	9	3	8	04/11/95	Summerton <i>et al.</i>	528	406	11/23/92
	BV	5	4	3	4	2	5	7	07/18/95	Matteucci <i>et al.</i>	536	24.3	10/26/93
	BW	5	4	3	6	1	5	0	07/25/95	Chandrasegaran	435	199	09/27/93
	BX	5	4	4	0	1	1	9	08/08/95	Labowsky	250	282	03/30/94
	BY	5	4	4	6	1	3	7	08/29/95	Maag <i>et al.</i>	536	23.1	12/09/93
	BZ	5	4	5	3	6	1	3	09/26/95	Gray <i>et al.</i>	250	281	10/21/94
	CA	5	4	6	6	6	7	7	11/14/95	Baxter <i>et al.</i>	514	44	02/28/94
	CB	5	4	6	6	7	8	6	11/14/95	Buhr <i>et al.</i>	536	26.26	05/10/94
	CC	5	4	7	0	9	6	7	11/28/95	Huie <i>et al.</i>	536	24.3	04/10/90
	CD	5	4	8	9	6	7	7	02/06/96	Sanghvi <i>et al.</i>	536	22.1	03/31/93
	CE	5	4	9	1	1	3	3	02/13/96	Walder <i>et al.</i>	514	44	03/19/91
	CF	5	4	9	2	8	0	6	02/20/96	Drmanac <i>et al.</i>	435	5	04/12/93
	CG	5	4	9	8	5	4	5	03/12/96	Vestal	436	47	07/21/94
	CH	5	5	0	3	9	8	0	04/02/96	Cantor	435	6	10/17/94
	CI	5	5	0	6	1	3	7	04/09/96	Mathur <i>et al.</i>	435	252.3	07/22/93
	CJ	5	5	1	4	7	8	5	05/07/96	Van Ness <i>et al.</i>	536	22.1	10/28/94
	CK	5	5	1	9	1	3	4	05/21/96	Acevedo <i>et al.</i>	544	243	01/11/94
	CL	5	5	2	5	4	6	4	06/11/96	Drmanac <i>et al.</i>	435	6	02/28/94
	CM	5	5	3	6	6	4	9	07/16/96	Fraiser <i>et al.</i>	435	91.2	07/29/94
	CN	5	5	4	1	3	0	7	07/30/96	Cook <i>et al.</i>	536	23.1	12/28/93
	CO	5	5	4	7	8	3	5	08/20/96	Köster	435	6	01/06/94
	CP	5	5	6	1	2	2	5	10/01/96	Maddry <i>et al.</i>	536	23.1	09/19/90

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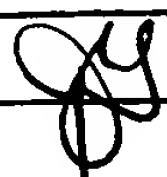

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	CQ	5	5	6	5	3	5	0	10/15/96	Kmiec	435	172.3	12/09/94
	CR	5	5	6	7	8	1	1	10/22/96	Misiura <i>et al.</i>	536	25.34	05/03/91
	CS	5	5	7	1	6	7	6	11/05/96	Shuber	435	6	06/07/95
	CT	5	5	7	6	4	2	7	11/19/96	Cook <i>et al.</i>	536	23.1	05/26/95
	CU	5	5	8	0	7	3	2	12/03/96	Grossman <i>et al.</i>	435	6	08/26/94
	CV	5	5	9	1	7	2	2	01/07/97	Montgomery <i>et al.</i>	514	45	12/12/94
	CW	5	5	9	3	8	2	6	01/14/97	Fung <i>et al.</i>	435	6	04/16/93
	CX	5	5	9	6	0	8	6	01/21/97	Matteucci <i>et al.</i>	536	22.1	09/20/91
	CY	5	5	9	7	9	0	9	01/28/97	Urdea <i>et al.</i>	536	24.3	08/25/94
	CZ	5	6	0	2	2	4	0	02/11/97	De Mesmaeker <i>et al.</i>	536	22.1	04/21/92
	DA	5	6	0	4	0	9	8	02/18/97	Mead <i>et al.</i>	435	6	12/22/94
	DB	5	6	0	5	7	9	8	02/25/97	Köster	435	6	03/17/95
	DC	5	6	0	8	0	4	6	03/04/97	Cook <i>et al.</i>	536	23.1	09/29/94
	DD	5	6	1	0	2	8	9	03/11/97	Cook <i>et al.</i>	536	25.34	05/21/92
	DE	5	6	1	0	3	0	0	03/11/97	Altmann <i>et al.</i>	544	244	06/06/95
	DF	5	6	1	8	7	0	4	04/08/97	Sanghvi <i>et al.</i>	435	91.5	09/02/94
	DG	5	6	2	2	8	2	4	04/22/97	Köster	435	6	02/10/95
	DH	5	6	2	3	0	6	5	04/22/97	Cook <i>et al.</i>	536	23.1	12/23/92
	DI	5	6	2	3	0	7	0	04/22/97	Cook <i>et al.</i>	536	27.6	02/27/95
	DJ	5	6	2	7	0	5	3	05/06/97	Usman <i>et al.</i>	435	91.1	05/02/95
	DK	5	6	3	1	1	3	4	05/20/97	Cantor	435	6	06/05/95
	DL	5	6	3	3	3	6	0	05/27/97	Bischofberger <i>et al.</i>	536	22.1	04/14/92
	DM	5	6	3	9	8	7	3	06/17/97	Barascut <i>et al.</i>	536	25.3	02/04/93

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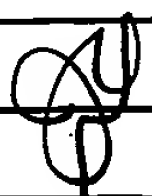

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	DN	5	6	4	6	2	6	5	07/08/97	McGee	536	25.34	03/23/95
	DO	5	6	5	2	3	5	5	07/29/97	Metalev <i>et al.</i>	536	24.5	07/23/92
	DP	5	6	5	2	3	5	6	07/29/97	Agrawal	536	245	08/17/95
	DQ	5	6	5	8	8	7	3	08/19/97	Bertsch-Frank <i>et al.</i>	510	375	02/28/94
	DR	5	6	6	3	3	1	2	09/02/97	Chaturvedula	536	22.1	12/20/94
	DS	5	6	7	0	6	3	3	09/23/97	Cook <i>et al.</i>	536	23.1	08/12/91
	DT	5	6	7	7	4	3	7	10/14/97	Teng <i>et al.</i>	536	23.1	02/23/95
	DU	5	6	7	7	4	3	9	10/14/97	Weis <i>et al.</i>	536	23.1	05/24/95
	DV	5	6	9	1	1	4	1	11/25/97	Köster	435	6	06/06/95
	DW	5	6	9	5	9	4	0	12/09/97	Drmanac <i>et al.</i>	435	6	06/05/95
	DX	5	7	0	0	6	7	2	12/23/97	Mathur <i>et al.</i>	435	183	07/23/92
	DY	5	7	0	0	9	2	0	12/23/97	Altmann <i>et al.</i>	536	221	06/06/95
	DZ	5	7	1	4	3	3	0	02/03/98	Brenner <i>et al.</i>	435	6	06/21/96
	EA	5	7	7	7	3	2	4	07/07/98	Hillenkamp	250	288	09/19/96
	EB	5	7	9	5	7	1	4	08/18/98	Cantor <i>et al.</i>	435	6	08/23/93
	EC	5	8	3	4	1	8	9	11/10/98	Stevens <i>et al.</i>	435	6	12/22/95
	ED	5	8	3	7	8	3	2	11/17/98	Chee <i>et al.</i>	536	22.1	05/16/95
	EE	5	8	4	3	6	6	9	12/01/98	Kaiser <i>et al.</i>	435	6	11/29/96
	EF	5	8	5	1	7	6	5	12/22/98	Köster	435	6	05/30/95
	EG	5	8	5	6	0	9	2	01/05/99	Dale <i>et al.</i>	435	6	04/27/95
	EH	5	8	5	8	6	5	9	01/12/99	Sapolsky <i>et al.</i>	435	6	11/29/95
	EI	5	8	5	8	7	0	5	01/12/99	Wei <i>et al.</i>	435	69.1	06/05/95
	EJ	5	8	6	9	2	4	2	02/09/99	Kamb	435	6	09/18/95

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gy	EK	5	8	6	9	2	7	5	02/09/99	Huang	435	15	07/20/98
	EL	5	8	7	1	9	1	1	02/16/99	Dahlberg <i>et al.</i>	435	6	02/09/95
	EM	5	8	7	2	0	0	3	02/16/99	Köster	435	283.1	05/30/95
	EN	5	8	7	4	2	8	3	02/23/99	Harrington <i>et al.</i>	435	252.3	05/30/95
	EO	5	8	7	6	9	3	4	03/02/99	Duthie <i>et al.</i>	435	6	12/18/96
	EP	5	8	8	5	8	4	1	03/23/99	Higgs, Jr. <i>et al.</i>	436	89	09/11/96
	EQ	5	8	8	8	7	9	5	03/30/99	Hamilton	435	200	09/09/97
	ER	5	9	0	0	4	8	1	05/04/99	Lough <i>et al.</i>	536	55.3	11/06/96
	ES	5	9	0	8	7	5	5	06/01/99	Kumar <i>et al.</i>	435	6	10/15/97
	ET	5	9	1	2	1	1	8	06/15/99	Ansorge <i>et al.</i>	435	6	08/03/92
	EU	5	9	2	8	9	0	6	07/27/99	Köster <i>et al.</i>	435	91.2	05/09/96
	EV	5	9	2	8	9	5	2	07/27/99	Hutchins <i>et al.</i>	436	50	11/05/97
	EW	5	9	5	2	1	7	4	09/14/99	Nikiforov <i>et al.</i>	435	6	09/15/976
	EX	5	9	5	2	1	7	6	09/14/99	McCarthy <i>et al.</i>	435	6	12/21/95
	EY	5	9	7	6	8	0	2	11/02/99	Ausorge <i>et al.</i>	435	6	04/26/96
	EZ	5	9	7	6	8	0	6	11/02/99	Mahajan <i>et al.</i>	435	6	05/27/98
	FA	5	9	8	1	1	8	6	11/09/99	Gabe <i>et al.</i>	435	6	07/14/97
	FB	5	9	8	5	2	1	4	11/16/99	Stylli <i>et al.</i>	422	65	05/16/97
	FC	5	9	9	8	1	4	3	12/07/99	Ellis <i>et al.</i>	435	6	12/05/97
	FD	6	0	0	4	7	4	4	12/21/99	Goelet <i>et al.</i>	435	5	10/11/91
	FE	6	0	1	3	4	3	1	01/11/00	Söderlund <i>et al.</i>	435	5	12/02/93
	FF	6	0	1	7	6	9	3	01/25/00	Yates, III <i>et al.</i>	435	5	03/14/94
	FG	6	0	1	7	7	0	2	01/25/00	Lee <i>et al.</i>	435	6	01/21/97

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Title: POLYMORPHIC KINASE ANCHOR PROTEINS AND NUCLEIC ACIDS ENCODING THE SAME

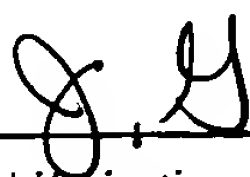
FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24736-2035	SERIAL NO. 09/834,700
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LIST OF PATENTS AND PUBLICATIONS FOR
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLA SS	SUB CLAS S	FILING DATE
	FH	6	0	1	8	0	4	1	01/25/00	Drmanac <i>et al.</i>	536	24.3	07/29/97
	FI	6	0	2	0	1	2	2	02/01/00	Okasinski <i>et al.</i>	435	5	06/07/95
	FJ	6	0	2	2	6	8	8	02/08/00	Jurinke <i>et al.</i>	435	6	05/13/96
	FK	6	0	2	4	9	2	5	02/15/00	Little <i>et al.</i>	422	100	01/23/97
	FL	6	0	2	5	1	3	6	02/15/00	Dramanac	435	6	08/28/97
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	FN	6	0	4	3	0	3	1	03/28/00	Köster <i>et al.</i>	435	6	03/18/96
	FO	6	0	4	3	1	3	6	03/28/00	Jang <i>et al.</i>	438	424	07/24/98
	FP	6	0	4	6	0	0	5	04/04/00	Ju <i>et al.</i>	435	6	09/16/98
	FQ	6	0	5	4	2	7	6	04/25/00	Macevitz	435	6	02/23/98
	FR	6	0	6	0	0	2	2	05/09/00	Pang <i>et al.</i>	422	65	07/03/97
	FS	6	0	7	4	8	2	3	06/13/00	Köster	435	6	11/06/96
	FT	6	0	8	7	0	9	5	07/11/00	Rosenthal <i>et al.</i>	435	6	04/22/93
	FU	6	0	9	0	6	0	6	07/18/00	Köster <i>et al.</i>	435	199	12/02/96
	FV	6	0	9	9	5	5	3	08/08/00	Hart <i>et al.</i>	606	232	05/21/98
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	FX	6	1	1	7	6	3	4	09/12/00	Langmore <i>et al.</i>	435	6	03/06/97
	FY	6	1	3	2	6	8	5	10/17/00	Kercso <i>et al.</i>	422	104	08/10/98
	FZ	6	1	3	3	4	3	6	10/17/00	Köster <i>et al.</i>	536	24.3	09/19/97
	GA	6	1	3	3	5	0	2	01/17/00	Kasuga <i>et al.</i>	800	14	03/09/98
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	GD	6	1	4	7	3	4	4	11/14/00	Annis <i>et al.</i>	250	281	01/19/99

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J	GE	6	1	5	6	5	0	1	12/05/00	McGall <i>et al.</i>	435	6	04/03/96
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	GG	6	1	8	0	8	4	9	B1 01/30/01	Strculi <i>et al.</i>	800	18	03/17/98
	GH	6	1	9	7	4	9	8	B1 03/06/01	Köster	435	5	04/06/99
	GI	6	2	2	1	6	0	1	B1 04/24/01	Köster <i>et al.</i>	435	6	11/02/99
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	GK	6	2	3	5	4	7	8	B1 05/22/01	Köster	435	6	04/06/99

FOREIGN PATENT DOCUMENTS

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	GN	0	0	5	8	5	1	9	05/Oct/00	PCT				
	GO	0	0	6	0	3	6	1	12/Oct/00	PCT				
	GP	0	1	2	7	8	5	7	A2 19/Apr/01	PCT				
	GQ	0	5	9	6	2	0	5	A2 11/May/94	EPO				
	GR	0	5	9	6	2	0	5	A3 11/May/94	EPO				

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	GS	2	6	5	0	8	4	0	A1 11/89	FR- English Abstract equivalent in WO 91/02087			X	
	GT	2	7	4	9	6	6	2	A1 11/Jun/96	FR- English abstract available in WO 97/47974			X	
	GU	9	1	0	2	0	8	7	21/Feb/91	PCT				
	GV	9	1	1	3	0	7	5	05/Sep/91	PCT				
	GW	9	1	1	6	4	5	7	31/Oct/91	PCT				
	GX	9	2	1	5	7	1	2	17/Sep/92	PCT				
	GY	9	3	1	5	4	0	7	05/Aug/93	PCT				
	GZ	9	4	1	6	1	0	1	21/Jul/94	PCT				
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	HB	9	6	2	9	4	3	1	26/Sep/96	PCT				
	HC	9	7	0	3	2	1	0	30/Jan/97	PCT				
	HD	9	7	0	8	3	0	6	06/Mar/97	PCT				
	HE	9	7	3	7	0	4	1	09/Oct/97	PCT				
	HF	9	7	4	2	3	4	8	13/Nov/97	PCT				
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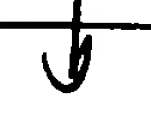
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	HL	9	8	2	0	1	6	6	14/May/98	PCT				
	HM	9	8	3	0	8	8	3	16/Jul/98	PCT				
	HN	9	8	3	3	8	0	8	06/Aug/98	PCT				
	HO	9	8	5	6	9	5	4	17/Dec/98	PCT				
	HP	9	9	0	9	2	1	8	25/Feb/99	PCT				
	HQ	9	9	1	2	0	4	0	11/Mar/99	PCT				
	HR	9	9	3	1	2	7	8	24/Jun/99	PCT				
	HS	9	9	5	0	4	4	7	07/Oct/99	PCT				
	HT	9	9	5	4	5	0	1	28/Oct/99	PCT				
	HU	9	9	5	7	3	1	8	11/Nov/99	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	HV	<u>A Practical Guide To Molecular Cloning</u> , Book: Perbal B., John Wiley & Sons, New York, 1984
	HW	Altschul <i>et al.</i> , "Basic Local Alignment Search Tool", <i>J. Mol. Biol.</i> , <u>215</u> :403-410, (1990)
	HX	<u>Antibodies</u> , Book: A Laboratory Manual, Harlow, E. and Lane D., Cold Spring Harbor Laboratory, 1988
	HY	Arrand <i>et al.</i> , "Different Substrate Specificities of the Two DNA Ligases of Mammalian Cells", <i>J. Biol. Chem.</i> , <u>261</u> (20):9079-9082, (1986)
	HZ	Badger <i>et al.</i> , "New features and enhancements in the X-PLOR computer program", <i>Proteins: Structure, Function, and Genetics</i> , <u>35</u> (1):25-33, (1999)
	IA	Beck <i>et al.</i> , "Chemiluminescent detection of DNA: application for DNA sequencing and hybridization", <i>Nucl. Acids Res.</i> , <u>17</u> (13):5115-5123, (1989)
	IB	Bertina <i>et al.</i> , "Mutation in blood coagulation factor V associated with resistance to activated protein C", <i>Nature</i> , <u>369</u> :64-67, (1994)

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2	IC	Bessho <i>et al.</i> , "Nucleotide excision repair 3' endonuclease XPG stimulates the activity of base excision repair enzyme thymine glycol DNA glycosylase", <i>Nucl. Acids Res.</i> , <u>27(4)</u> :79-83, (1999)
	ID	Biernat <i>et al.</i> , "The construction and cloning of synthetic genes coding for artificial proteins and expression studies to obtain fusion proteins", <i>Protein Engineering</i> , <u>1(4)</u> :345-351, (1997)
	IE	<u>Biocomputing</u> , "Informatics and Genome Projects", Smith, W.D. (Ed.), Academic Press, Inc. San Diego, California (1994)
	IF	<u>Biological Techniques Series</u> , Book: "Immunochemical Methods in Cell and Molecular Biology", Mayer, R.J. and Walker, J.H., Academic Press, San Diego, California, 1987
	IG	Bjelland, S. and Seeberg, E., "Purification and characterization of 3-methyladenine DNA glycosylase I from <i>Escherichia coli</i> ", <i>Nucl. Acids Res.</i> , <u>15(7)</u> :2787-2800, (1987)
	IH	Blecinski, C. and Richert, C., "Monitoring the Hybridization of the Components of Oligonucleotide Mixtures to Immobilized DNA via Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry", <i>Rapid Communications in Mass Spectrometry</i> , <u>12</u> :1737-1743, (1998)
	II	Bosworth, N. and Towers, P., "Scintillation proximity assay", <i>Nature</i> , <u>341</u> :167-168, (1989)
	IJ	Boudet <i>et al.</i> , "UV-treated polystyrene microtitre plates for use in an ELISA to measure antibodies against synthetic peptides", <i>J. Immunol. Meth.</i> , <u>142</u> :73-82, (1991)
	IK	Braun <i>et al.</i> , "Detecting <i>CFTR</i> gene mutations by using primer oligo base extension and mass spectrometry", <i>Clin. Chem.</i> , <u>43(7)</u> :1151-1158, (1997)
	IL	Braun <i>et al.</i> , "Improved Analysis of Microsatellites Using Mass Spectrometry", <i>Genomics</i> , <u>46</u> :18-23, (1997)
	IM	Bregman <i>et al.</i> , "Molecular Characterization of Bovine Brain P75, a High Affinity Binding Protein for the Regulatory Subunit of cAMP-dependent Protein Kinase II β ", <i>J. Biol. Chem.</i> , <u>266(11)</u> :7207-7213, (1991)
1	IN	Brinster <i>et al.</i> , "Expression of a microinjected immunoglobulin gene in the spleen of transgenic mice", <i>Nature</i> , <u>306</u> :332-336, (1983)

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JO	IO	Buetow <i>et al.</i> , "High-throughput development and characterization of a genomewide collection of gene-based single nucleotide polymorphism markers by chip-based matrix-assisted laser desorption/ionization time-of-flight mass spectrometry", <i>Proc. Natl. Acad. Sci. USA</i> , <u>98</u> (2):581-584, (2001)
	IP	Burton <i>et al.</i> , "Type II regulatory subunits are not required for the anchoring-dependent modulation of CA ²⁺ channel activity by cAMP-dependent protein kinase", <i>Proc. Natl. Acad. Sci. USA</i> , <u>94</u> :11067-11072, (1997)
	IQ	Carr <i>et al.</i> , "Association of the Type II cAMP-dependent Protein Kinase with a Human Thyroid RII-anchoring Protein", <i>J. Biol. Chem.</i> , <u>267</u> (19):13376-13382, (1992)
	IR	Carr <i>et al.</i> , "Interaction of the Regulatory Subunit (RII) of cAMP-dependent Protein Kinase with RII-anchoring Protein Occurs through an Amphipathic Helix Binding Motif", <i>J. Biol. Chem.</i> , <u>266</u> (22):14188-14192, (1991)
	IS	Carrillo <i>et al.</i> , "The Multiple Sequence Alignment Problem In Biology", <i>SIAM J. Appl. Math.</i> , <u>48</u> (5):1073-1082, (1988)
	IT	Chiu <i>et al.</i> , "Mass Spectrometry of Nucleic Acids", <i>Clin. Chem.</i> , <u>45</u> :1578, (1999)
	IU	Chiu <i>et al.</i> , "Mass Spectrometry of single-stranded restriction fragments captured by an undigested complementary sequence", <i>Nucl. Acids. Res.</i> , <u>28</u> (8):e31(i-iv), (2000)
	IV	Clegg <i>et al.</i> , "Genetic characterization of a brain-specific form of the type I regulatory subunit of cAMP-dependent protein kinase", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :3703-3707, (1988)
	IW	Coghlan <i>et al.</i> , "Association of Protein Kinase A and Protein Phosphatase 2B with a Common Anchoring Protein", <i>Science</i> , <u>267</u> :108-111, (1995)
	IX	Cohen <i>et al.</i> , "Emerging Technologies for Sequencing Antisense Oligonucleotides: Capillary Electrophoresis and Mass Spectrometry," <i>Advanced Chromatography</i> , <u>36</u> :127-162, (1996)
	IY	Colledge, M. and Scott, J.D., "AKAPs: from structure to function", <i>Trends in Cell Biology</i> , <u>9</u> :216-221, (1999)
	IZ	<u>Computational Molecular Biology</u> , Book: "Sources and Methods for Sequence Analysis", Lesk, A.M. (Ed.), Oxford University Press, New York (1988)
J	JA	Corder <i>et al.</i> , "Gene Dose of Apolipoprotein E Type 4 Allele and the Risk of Alzheimer's Disease in Late Onset Families", <i>Science</i> , <u>261</u> :921-923, (1993)

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g	JB	Costantini, F. and Lacy, E., "Introduction of a rabbit β -globin gene into the mouse germ line", <i>Nature</i> , <u>294</u> :92-94, (1981)
	JC	Cotton, R.G.H., "Current methods of mutation detection", <i>Mutation Res.</i> , <u>285</u> :125-144, (1993)
	JD	Cotton <i>et al.</i> , "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :4397-4401, (1988)
	JE	Cronin <i>et al.</i> , "Cystic fibrosis mutation detection by hybridization to light-generated DNA probe arrays", <i>Hum. Mutat.</i> , <u>7</u> :244-255, (1996)
	JF	<u>Culture of Animal Cells</u> , A Manual of Basic Technique, Book: 2nd Edition, Freshney, R.I., Alan R. Liss, Inc., New York
	JG	<u>Current Communications in Molecular Biology</u> , Book: "Gene Transfer Vectors for Mammalian Cells, Cold Spring Harbor Laboratory, New York, 1987
	JH	<u>Current Protocols In Immunology</u> , Book: Volume 4, Coligan, J.E. et al. (Eds.), John Wiley & Sons, Inc. New York, 1994
	JI	Database WPI, Derwent publication # 011635345 citing International Patent Application WO 9747974 of the parent French Patent Application FR 2,749,662.
	JJ	Devereux, <i>et al.</i> , "A comprehensive set of sequence analysis programs for the VAX", <i>Nucl. Acids Res.</i> , <u>12</u> (1):387-395, (1984)
	JK	<u>DNA cloning</u> , a practical approach, Book: Vol. II, Glover, D.M. (Ed.), IRL Press, Oxford, Washington DC (1985)
	JL	Eftedal <i>et al.</i> , "Consensus sequences for good and poor removal of uracil from double stranded DNA by uracil-DNA glycosylase", <i>Nucl. Acids Res.</i> , <u>21</u> (9):2095-2101, (1993)
	JM	Englisch, U. and Gauss, D.H., "Angewandte Chemie", <i>Angew. Chem.</i> , <u>30</u> (6):613-722, (1991)
	JN	Faux, M.C. and Scott, J.D., "More on target with protein phosphorylation: conferring specificity by location", <i>Trends Biochem.</i> , <u>21</u> :312-315, (1996)
v	JO	Felgner <i>et al.</i> , "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure", <i>Proc. Natl. Acad. Sci. USA</i> , <u>84</u> :7413-7417, (1987)

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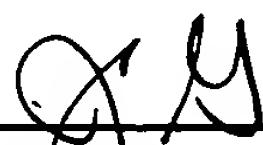
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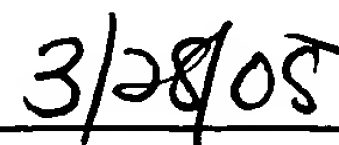
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

94	JP	Fu <i>et al.</i> , "A DNA sequencing strategy that requires only five bases of known terminal sequence for priming", <i>Proc. Natl. Acad. Sci. USA</i> , <u>92</u> :10162-10166, (1995)
	JQ	Fu <i>et al.</i> , "Efficient preparation of short DNA sequence ladders potentially suitable for MALDI-TOF DNA sequencing", <i>Genetic Analysis: Biomolecular Engineering</i> , <u>12</u> :137-142, (1996)
	JR	Fu <i>et al.</i> , "Sequencing double-stranded DNA by strand displacement", <i>Nucl. Acids Res.</i> , <u>25</u> (3):677-679, (1997)
	JS	Fu <i>et al.</i> , "Sequencing Exons 5 to 8 of the p53 Gene by MALDI-TOF Mass Spectrometry", <i>Nature Biotechnol.</i> , <u>16</u> :381-384, (1998)
	JT	Gabbita <i>et al.</i> , "Decrease in Peptide Methionine Sulfoxide Reductase in Alzheimer's Disease Brain", <i>J. Neurochemistry</i> , <u>73</u> (4):1660-1666, (1999)
	JU	Gasparini <i>et al.</i> , "Restriction site generating-polymerase chain reaction (RG-PCR) for the probeless detection of hidden genetic variation: application to the study of some common cystic fibrosis mutations", <i>Mol. Cell. Probes</i> , <u>6</u> :1-7, (1992)
	JV	Gibbs <i>et al.</i> , "Detection of single DNA base differences by competitive oligonucleotide priming", <i>Nucl. Acids Res.</i> , <u>17</u> :2437-2448, (1989)
	JW	Gillman, A.G., "A Protein Binding Assay for Adenosine 3':5'-cyclic Monophosphate", <i>Biochem.</i> , <u>67</u> (1):305-312, (1970)
	JX	Glantz <i>et al.</i> , "Characterization of Distinct Tethering and Intracellular Targeting Domains in AKAP75, a Protein That Links cAMP-dependent Protein Kinase II β to the Cytoskeleton", <i>J. Biol. Chem.</i> , <u>268</u> (17):12796-12804, (1993)
	JY	Goldmacher <i>et al.</i> , Photoactivation of toxin conjugates, <i>Bioconj. Chem.</i> <u>3</u> :104-107 (1992)
	JZ	Goueli <i>et al.</i> , "A Novel and Simple Method to Assay the Activity of Individual Protein Kinases in a Crude Tissue Extract", <i>Analy. Biochem.</i> , <u>225</u> :10-17, (1995)
	KA	Gribskov, M. and Burgess, R.R., "Sigma factors from <i>E. coli</i> , <i>B. subtilis</i> , phage SP01, and T4 are homologous proteins", <i>Nucl. Acids Res.</i> , <u>14</u> (16):6745-6763 (1986)
	KB	Griffin, H.G. and Griffin, A.M., "DNA Sequencing. Recent Innovations and Future Trends", <i>Appl. Biochem. Biotechnol.</i> , <u>38</u> :147-159, (1993)
95	KC	Griffin <i>et al.</i> , "Genetic analysis by peptide nucleic acid affinity MALDI-TOF mass spectrometry," <i>Nature Biotechnology</i> , <u>15</u> :1368-1372, (1997)

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KD	Guatelli <i>et al.</i> , "Isothermal, <i>in vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :1874-1878, (1990)
KE	Guerrier-Takada <i>et al.</i> , "The RNA Moiety of Ribonuclease P Is the Catalytic Subunit of the Enzyme", <i>Cell</i> , <u>35</u> :849-857, (1983)
KF	<u>Guide To Human Genome Computing</u> , Book: Bishop, M.J. (Ed.), Academic Press, San Diego, California (1994)
KG	Hampel <i>et al.</i> , "'Hairpin' catalytic RNA model: evidence for helices and sequence requirement for substrate RNA", <i>Nucl. Acids Res.</i> , <u>18</u> (2):299-304, (1990)
KH	Hampel, A. and Tritz, R., "RNA Catalytic Properties of the Minimum (-)s TRSV Sequence", <i>Biochem.</i> , <u>28</u> :4929-4933, (1989)
KI	<u>Handbook Of Experimental Immunology In Four Volumes</u> , Book: Vol. 1, "Immunochemistry", Weir, D.M., (and co-Eds), Fourth Edition, Blackwell Scientific Publications, Osney Mead, Oxford, 1986
KJ	Hasan <i>et al.</i> , "Base-boronated dinucleotides: synthesis and effect of N7-cyanoborane substitution on the base protons", <i>Nucl. Acids Res.</i> , <u>24</u> (11):2150-2157 (1996)
KK	Hausken <i>et al.</i> , "Mutational Analysis of the A-Kinase Anchoring Protein (AKAP)-binding Site on RII", <i>J. Biol. Chem.</i> , <u>271</u> (46):29016-29022, (1996)
KL	Hayashi, K., "PCR-SSCP: A Method for Detection of Mutations", <i>Genet. Anal. Tech. Appl. (GATA)</i> , <u>9</u> (3):73-79, (1992)
KM	Hazum <i>et al.</i> , "A Photocleavable Protecting Group For The Thiol Function Of Cysteine", <i>Pept., Proc. Eur. Pept. Symp.</i> , 16th Brunfeldt, K. (Ed.), pp. 105-110, (1981)
KN	Heaton <i>et al.</i> , "Estimation of DNA sequence diversity in bovine cytokine genes", <i>Mammalian Genome</i> , <u>12</u> :32-37, (2001)
KO	Higgins <i>et al.</i> , "Competitive Oligonucleotide Single-Base Extension Combined with Mass Spectrometric Detection for Mutation Screening", <i>BioTechniques</i> , <u>23</u> (4):710-714, (1997)
KP	Higgins <i>et al.</i> , "DNA-Joining Enzymes: A Review", <i>Methods in Enzymology</i> , <u>68</u> :50-71, (1979)
KQ	Higley, M. and Lloyd, R.S., "Processivity of uracil DNA glycosylase", <i>Mutation Research, DNA Repair</i> , <u>294</u> :109-116, (1993)

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✗	KR	Hinton, Jr. <i>et al.</i> , "The application of robotics to fluorometric and isotopic analyses of uranium", <i>Lab. Inf. Manage.</i> , <u>21</u> :223-227, (1993)
	KS	Hu, K. and Siddiqui, A., "Regulation of the Hepatitis B Birus Gene Expression by the Enhancer Element I", <i>Virology</i> , <u>181</u> :721-726, (1991)
	KT	Huang <i>et al.</i> , "D-AKAP2, a novel protein kinase A anchoring protein with a putative RGS domain", <i>Proc. Natl. Acad. Sci. USA</i> , <u>94</u> :11184-11189, (1997)
	KU	Huang <i>et al.</i> , "Identification of a Novel Protein Kinase A Anchoring Protein That Binds Both Type I and Type II Regulatory Subunits", <i>J. Biol. Chem.</i> , <u>272</u> (12):8057-8064, (1997)
	KV	Hubbard, M.J. and Cohen, P., "On target with a new mechanism for the regulation of protein phosphorylation", <i>Trends Biochem. Sci.</i> , <u>18</u> :172-177, (1993)
	KW	<u>Immobilised cells and enzymes</u> , a practical approach, Woodward, J. (Ed.), IRL Press Limited, Oxford, Washington, DC, 1985
	KX	Instrumentation; "Nano-Plotter" from GeSiM, Germany, located at http://www.gesim.de/np-intro.htm
	KY	Instrumentation; "Model CRS A 255" robot "Digital Servo Gripper" "Plate Cube" system. "lid parking station" "shaker" Robocon Labor-und Industrieroboter Ges.m.b.H of Austria ("Robocon")
	KZ	Instrumentation; "MJ Microseal" plate sealer; Thermal Cycler Accessories: Sealing Options, Sealing Products, MJ Research, located at http://www.mjresearch.com/html/consumables/ealing/sealing_products.html
	LA	Instrumentation; "Genesis 200/8" (200 cm with including an 8-tip arm) liquid handling systems; Tecan AG of Switzerland ("Tecan"), TECAN Products for Diagnostics and Life Science, located at http://www.tecan.ch/index.htm
↓	LB	Instrumentation; Bar code systems, including one and two dimensional bar codes, readable and readable/writable codes and systems; Datalogic S.p.A. of Italy ("Datalogic") located at http://www.datalogic.com

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LC	Instrumentation; DYNABEADS, streptavidin-coated magnetic beads; from Dynal, Inc. Great Neck, NY and Oslo Norway
LD	Instrumentation; "Multimek 96" automated pipettor; Beckman Coulter, Inc. located at http://www.coulter.com , 09/08/99
LE	International Search Report for International Application No. PCT/US00/08111, Date of Mailing November 13, 2000.
LF	IUPAC-IUB Commission on Biochemical Nomenclature A One-Letter Notation for Amino Acid Sequences ¹⁻³ Tentative Rules, <i>J. Biol. Chem.</i> , <u>243</u> (13):3557-3559, (1968)
LG	Jahnsen <i>et al.</i> , "Molecular Cloning, cDNA Structure, and Regulation of the Regulatory Subunit of Type II cAMP-dependent Protein Kinase from Rat Ovarian Granulosa Cells", <i>J. Biol. Chem.</i> , <u>261</u> (26):12352-12361, (1986)
LH	Janin, J., "Surface and inside volumes in globular proteins", <i>Nature</i> , <u>277</u> :491-492, (1979)
LI	Jiang-Baucom <i>et al.</i> , "DNA Typing of Human Leukocyte Antigen Sequence Polymorphisms Nucleic Acid Probes and MALDI-TOF Mass Spectrometry," <i>Analytical Chemistry</i> , <u>69</u> :4894-4898, (1997)
LJ	Jurinke <i>et al.</i> , "Analysis of Ligase Chain Reaction products via Matrix-Assisted Laser Desorption/Ionization Time-of-Flight-Mass Spectrometry", <i>Anal. Biochem.</i> , <u>237</u> :174-181, (1996)
LK	Jurinke <i>et al.</i> , "Application of nested PCR and mass spectrometry for DNA-based virus detection: HBV-DNA detected in the majority of isolated anti-HBc positive sera", <i>Genetic Analysis: Biomolecular Engineering</i> , <u>14</u> :97-102, (1998)
LL	Jurinke <i>et al.</i> , "Detection of hepatitis B virus DNA in serum samples via nested PCR and MALDI-TOF mass spectrometry," <i>Genetic Analysis: Biomolecular Engineering</i> , <u>13</u> :67-71, (1996)
LM	Jurinke <i>et al.</i> , "Detection of RET proto-oncogene codon 634 mutations using mass spectrometry", <i>J. Mol. Med.</i> , <u>75</u> :745-750, (1997)
LN	Jurinke <i>et al.</i> , "Recovery of Nucleic Acids from Immobilized Biotin-Streptavidin Complexes Using Ammonium Hydroxide and Applications in MALDI-TOF Mass Spectrometry", <i>Anal. Chem.</i> , <u>69</u> :904-910, (1997)
LO	Kario <i>et al.</i> , "Genetic Determinants of Plasma Factor VII Activity in the Japanese", <i>Thromb. Haemost.</i> , <u>73</u> :617-622, (1995)

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8	LP	Keen <i>et al.</i> , "Rapid detection of single base mismatches as heteroduplexes on Hydrolink gels", <i>Trends Genet.</i> , <u>7</u> :5, (1991)
	LQ	Keown, <i>et al.</i> , "Methods for Introducing DNA into Mammalian Cells", <i>Methods in Enzymol.</i> , <u>185</u> :527-537, (1990)
	LR	Klauck <i>et al.</i> , "Coordination of Three Signaling Enzymes by AKAP79, a Mammalian Scaffold Protein", <i>Science</i> , <u>271</u> :1589-1592, (1996)
	LS	Kornher, J.S. and Livak, K.J., "Mutation detection using nucleotide analogs that alter electrophoretic mobility", <i>Nucl. Acids Res.</i> , <u>17</u> :7779-7784, (1989)
	LT	Köster <i>et al.</i> , "Oligonucleotide synthesis and multiples DNA sequencing using chemiluminescent detection", <i>Nucl. Acids Res.</i> , Symposium Series No. 24, pages 318-321, (1991)
	LU	Köster <i>et al.</i> , "A strategy for rapid and efficient DNA sequencing by mass spectrometry", <i>Nature Biotechnology</i> , <u>14</u> :1123-1128, (1996)
	LV	Kozal <i>et al.</i> , "Extensive polymorphisms observed in HIV-1 clade B protease gene using high-density oligonucleotide arrays", <i>Nature</i> , <u>2(7)</u> :753-759 (1996)
	LW	Kuppuswamy <i>et al.</i> , "Single nucleotide primer extension to detect genetic diseases: Experimental application to hemophilia B (factor IX) and cystic fibrosis genes", <i>Proc. Natl. Acad. Sci. USA</i> , <u>88</u> :1143-1147, (1991)
	LX	Kwoh <i>et al.</i> , "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :1173-1177, (1989)
	LY	Kyte, J. and Doolittle, R.F., "A Simple Method for Displaying the Hydropathic Character of a Protein", <i>J. Mol. Biol.</i> , <u>157</u> :105-132, (1982)
	LZ	Lacy <i>et al.</i> , "A Foreign β -Globin Gene in Transgenic Mice: Integration at Abnormal Chromosomal Positions and Expression in Inappropriate Tissues", <i>Cell</i> , <u>34</u> :343-358, (1983)
	MA	Laken <i>et al.</i> , "Familial colorectal cancer in Ashkenazim due to a hypermutable tract in APC", <i>Nature Genetics</i> , <u>17</u> :79-83, (1995)
↓	MB	Lam <i>et al.</i> , "Genetic influence of the R/Q353 genotype on factor VII activity is overwhelmed by environmental factors in Chinese patients with Type II (non-insulin-dependent) diabetes mellitus", <i>Diabetologia</i> , <u>41</u> :760-766, (1998)

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9	MC	Landegren <i>et al.</i> , "A Ligase-Mediated Gene Detection Technique", <i>Science</i> , <u>241</u> :1077-1080, (1988)
	MD	Lasko <i>et al.</i> , "Eukaryotic DNA Ligases", <i>Mutation Research</i> , <u>236</u> :277-287, (1990)
	ME	Lee <i>et al.</i> , "Isolation of a cDNA clone for the type I regulatory subunit of bovine cAMP-dependent protein kinase", <i>Proc. Natl. Acad. Sci. USA</i> , <u>80</u> :3608-3612, (1983)
	MF	Lehman, I.R., "DNA Ligase: Structure, Mechanism, and Function", <i>Science</i> , <u>186</u> :790-797, (1974)
	MG	Li <i>et al.</i> , "Boron-containing oligodeoxyribonucleotide 14mer duplexes: enzymatic synthesis and melting studies", <i>Nucl. Acids Res.</i> , <u>23(21)</u> :4495-4501, (1995)
	MH	Li <i>et al.</i> , "DNA ligase 1 is associated with the 21 S complex of enzymes for DNA synthesis in HeLa cells", <i>Nucl. Acids Res.</i> , <u>22(4)</u> :632-638, (1994)
	MI	Li <i>et al.</i> , "High-Resolution MALDI Fourier Transform Mass Spectrometry of Oligonucleotides", <i>Anal. Chem.</i> , <u>68(13)</u> :2090-2096, (1996)
	MJ	Lindahl, T. and Barnes, D.E., "Mammalian DNA Ligases", <i>Annu. Rev. Biochem.</i> , <u>61</u> :251-281, (1992)
	MK	Little <i>et al.</i> , "Detection of RET proto-oncogene codon 634 mutations using mass spectrometry," <i>J. Mol. Med.</i> , <u>75</u> :745-750, (1997)
	ML	Little <i>et al.</i> , "Direct detection of synthetic and biologically generated double-stranded DNA by MALDI-TOF MS," <i>International Journal of Mass Spectrometry and Ion Processes</i> , <u>169-170</u> :323-330, (1997)
	MM	Little <i>et al.</i> , "Identification of Apolipoprotein E Polymorphisms Using Temperature Cycled Primer Oligo Base Extension and Mass Spectrometry", <i>Eur. J. Clin. Chem. Clin. Biochem.</i> , <u>35(7)</u> :545-548, (1997)
	MN	Little <i>et al.</i> , MALDI on a Chip: Analysis of Arrays of Low-Femtomole to Subfemtomole Quantities of Synthetic Oligonucleotides and DNA Diagnostic Products Dispensed by a Piezoelectric Pipet, <i>Anal. Chem.</i> , <u>69</u> :4540-4546, (1997)
	MO	Little <i>et al.</i> , "Mass spectrometry from miniaturized arrays for full comparative DNA analysis," <i>Nature Medicine</i> , <u>3(12)</u> :1413-1416, (1997)
↓	MP	Lizardi <i>et al.</i> , "Exponential Amplification of Recombinant-RNA Hybridization Probes", <i>Bio/Technology</i> , <u>6</u> :1197-1202, (1988)

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Q	MQ	<u>Manipulating the Mouse Embryo</u> , Book: A Laboratory Manual, Hogan et al., Cold Spring Harbor Laboratory (1986)
	MR	Maxam, A.M. and Gilbert, W., "A new method for sequencing DNA", <i>Proc. Natl. Acad. Sci. USA</i> , <u>74(2)</u> :560-564, (1977)
	MS	McKnight <i>et al.</i> , "Expression of the Chicken Transferrin Gene in Transgenic Mice", <i>Cell</i> , <u>34</u> :335-341, (1983)
	MT	<u>Methods in Enzymology</u> , "Guide to Protein Purification", Book: Vol. 182, Deutscher, M.P. (Ed.), Academic Press, Inc., New York (1990)
	MU	<u>Methods in Enzymology</u> , "Recombinant DNA", Book: Vol. 154, Part E, Wu, R. and Grossman, L. (Eds.), Academic Press, Inc., New York (1987)
	MV	<u>Methods in Enzymology</u> , "Recombinant DNA", Book: Vol. 155, Part F, Wu, R. (Ed.), Academic Press, Inc., New York (1987)
	MW	<u>Methods in Molecular Biology</u> , <u>24</u> , "Computer Analysis of Sequence Data", Book: Part I, Griffin, A.M. and Griffin, H.G. (Eds.), Humana Press, Totowa, New Jersey (1994)
	MX	Miki, K. and Eddy, E.M., "Identification of Tethering Domains for Protein Kinase A Type I α Regulatory Subunits on Sperm Fibrous Sheath Protein FSC1", <i>J. Biol. Chem.</i> , <u>273(51)</u> : 34384-34390, (1996)
	MY	Miki, K. and Eddy, E.M., "Single Amino Acids Determine Specificity of Binding Protein Kinase A Regulatory Subunits by Protein Kinase A Anchoring Proteins", <i>J. Biol. Chem.</i> , <u>274(41)</u> :29057-29062, (1999)
	MZ	Mochly-Rosen, D., "Localization of Protein Kinases by Anchoring Proteins: A Theme in Signal Transduction", <i>Science</i> , <u>268</u> :247-251, (1995)
	NA	<u>Molecular Biology Of The Gene</u> , Book: "General Principles", Vol. 1, Fourth Edition, Watson <i>et al.</i> , The Benjamin/Cummings Publishing Company, Inc., 1987
	NB	<u>Molecular Cloning</u> , a Laboratory Manual, Book: Second Edition, Sambrook, J. and Russell, D.W., Cold Spring Harbor Laboratory Press (1989)
	NC	Monforte <i>et al.</i> , "High-throughput DNA analysis by time-of-flight mass spectrometry," <i>Nature Medicine</i> , <u>3(3)</u> :36-42, (1997)
↓	ND	Moskovitz <i>et al.</i> , "Overexpression of peptide-methionine sulfoxide reductase in <i>Saccharomyces cerevisiae</i> and human T cells provides them with high resistance to oxidative stress", <i>Proc. Natl. Acad. Sci. USA</i> , <u>95</u> :14071-14075, (1998)

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	NE	Myers <i>et al.</i> , "Detection of Single Base Substitutions by Ribonuclease Cleavage at Mismatches in RNA:DNA Duplexes", <i>Science</i> , <u>230</u> :1242-1246, (1985)
	NF	Myers <i>et al.</i> , "Detection of single base substitutions in total genomic DNA", <i>Nature</i> , <u>313</u> :495-498, (1985)
	NG	Nakamaye <i>et al.</i> , "Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside α -thiotriphosphates", <i>Nucl. Acids Res.</i> , <u>16</u> :9947-9959, (1988)
	NH	Naeve <i>et al.</i> , "Accuracy of Automated DNA Sequencing: A Multi-Laboratory Comparison of Sequencing Results", <i>Biotechniques</i> , <u>19</u> (3):448-453, (1995)
	NI	Newton <i>et al.</i> , "Analysis of any point mutation in DNA. The amplification refractory mutation system (ARMS)", <i>Nucl. Acids Res.</i> , <u>17</u> :2503-2516, (1989)
	NJ	Ngai <i>et al.</i> , "Protein A antibody-capture ELISA (PACE): an ELISA format to avoid denaturation of surface-adsorbed antigens", <i>J. Immunol. Meth.</i> , <u>158</u> :267-276, (1993)
	NK	Nickerson <i>et al.</i> , "Automated DNA diagnostics using an ELISA-based oligonucleotide ligation assay", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :8923-8927, (1990)
	NL	Nilges <i>et al.</i> , "Automated NOESY interpretation with ambiguous distance restraints: the refined NMR solution structure of the pleckstrin homology domain from β -spectrin", <i>J. Mol. Biol.</i> , <u>269</u> :408-422, (1997)
	NM	Nordhoff <i>et al.</i> , "Matrix-assisted Laser Desorption/Ionization Mass Spectrometry of Nucleic Acids with Wavelengths in the Ultraviolet and Infrared", <i>Rapid Comm. Mass Spectrom.</i> , <u>6</u> :771-776, (1992)
	NN	<u>Nucleases</u> , Book: 2nd Edition, Linn, S.M. et al. (Eds.), Cold Spring Harbor Laboratory Press (1993)
	NO	<u>Nucleic acid hybridisation</u> , a practical approach, Book: Hames, B.D. and Higgins, S.J. (Eds.), IRL Press, Oxford, Washington DC (1985)
	NP	Nyrén <i>et al.</i> , "Solid phase DNA minisequencing by an enzymatic luminometric inorganic pyrophosphate detection assay", <i>Anal. Biochem.</i> , <u>208</u> :171-175, (1993)
	NQ	<u>Oligonucleotides and Analogues</u> , a practical approach, Book: Protocol 8. "Synthesis of 3'5'-O-(tetraisopropylidisiloxane-1,3-diyl)-N ⁴ -isobutyryl-2'-O-methylcytidine (compound 8); mol. wt 569.85", Eckstein, F. (Ed.), Oxford University Press, New York, pages 56-57; Chapter 6, "Synthesis of oligo-2'-deoxyribonucleoside methylphosphonates", pages 137-139; and pages 256-259, (1991)

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86	NR	<u>Oligonucleotides synthesis</u> , a practical approach, Book: Gait, M.J. (Ed.), IRL Press, Oxford, Washington DC (1984)
	NS	Orita <i>et al.</i> , "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :2766-2770, (1989)
	NT	Palmiter <i>et al.</i> , "Differential Regulation of Metallothionein-Thymidine Kinase Fusion Genes in Transgenic Mice and Their Offspring". <i>Cell</i> , <u>29</u> :701-710, (1982)
	NU	Palmiter <i>et al.</i> , "Dramatic growth of mice that develop from eggs microinjected with metallothionein-growth hormone fusion genes", <i>Nature</i> , <u>300</u> :611-615, (1980)
	NV	Palmiter <i>et al.</i> , "Metallothionein-human GH fusion genes stimulate growth of mice", <i>Science</i> , <u>222</u> :809-814, (1983)
	NW	Pearson, W.R. and Lipman, D.J., "Improved tools for biological sequence comparison", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :2444-2448, (1988)
	NX	Pearson, R.B. and Kemp, B.E., "Protein Kinase Phosphorylation Site Sequences and Consensus Specificity Motifs: Tabulations", <i>Meth. Enzymol.</i> , <u>200</u> :62-81, (1991)
	NY	Perrotta, A.T. and Been, M.D., "Cleavage of Oligoribonucleotides by a Ribozyme Derived from the Hepatitis δ Virus RNA Sequence", <i>Biochem.</i> , <u>31</u> :16-21, (1992)
	NZ	Podhajski, A.J. and Szybalski, W., "Conversion of the <i>FokI</i> endonuclease to a universal restriction enzyme: cleavage of phage M13mp7 DNA at predetermined sites", <i>Gene</i> , <u>40</u> :175-182, (1985)
	OA	Porter <i>et al.</i> , "N ¹ -Cyanoborane____2'-Triphosphate Is a Good Substrate for DNA Polymerase", <i>Biochem.</i> , <u>34</u> :11963-11969, (1995)
	OB	Prezant, T.R. and Fischel-Ghodsian, N., "Trapped-Oligonucleotide Nucleotide Incorporation (TONI) Assay, a Simple Method for Screening Point Mutations", <i>Human Mutation</i> , <u>1</u> :159-164, (1992)
	OC	Prosser, J., "Detecting single-base mutations", <i>TIBTECH</i> , <u>11</u> :238-246, (1993)
	OD	Pruslin <i>et al.</i> , "Caveats and suggestions for the ELISA", <i>J. Immunol. Meth.</i> , <u>137</u> :27-35, (1991)
J	OE	Reymer <i>et al.</i> , "A lipoprotein lipase mutation (Asn291Ser) is associated with reduced HDL cholesterol levels in premature atherosclerosis", <i>Nature Genetics</i> , <u>10</u> :28-34, (1995)

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Q	OF	Rose <i>et al.</i> , "Hydrophobicity of Amino Acid Residues in Globular Proteins", <i>Science</i> , <u>229</u> :834-838, (1985)
	OG	Rosenbaum, V. and Riesner, D., "Temperature-gradient gel electrophoresis. Thermodynamic analysis of nucleic acids and proteins in purified form and in cellular extracts", <i>Biophys. Chem.</i> , <u>26</u> :235-246, (1987)
	OH	Ross <i>et al.</i> , "Analysis of Short Tandem Repeat Polymorphisms in Human DNA by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry," <i>Analytical Chemistry</i> , <u>69</u> :3966-3972, (1997)
	OI	Ross <i>et al.</i> , "Discrimination of Single-Nucleotide Polymorphisms in Human DNA Using Peptide Nucleic Acid Probes Detected by MALDI-TOF Mass Spectrometry," <i>Analytical Chemistry</i> , <u>69</u> :4197-4202, (1997)
	OJ	Rossi <i>et al.</i> , "Ribozymes as Anti-HIV-1 Therapeutic Agents: Principles, Applications, and Problems", <i>Aids Res. and Human Retroviruses</i> , <u>8</u> (2):183-189, (1992)
	OK	Ruppert <i>et al.</i> , "A Filtration Method for Plasmid Isolation Using Microtiter Filter Plates", <i>Anal. Biochem.</i> , <u>230</u> :130-134, (1995)
	OL	Saiki <i>et al.</i> , "Analysis of enzymatically amplified β -globin and HLA-DQ α DNA with allele-specific oligonucleotide probes", <i>Nature</i> , <u>324</u> :163-166, (1986)
	OM	Saiki <i>et al.</i> , "Genetic analysis of amplified DNA with immobilized sequence-specific oligonucleotide probes", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :6230-6234, (1989)
	ON	Saleeba, J.A. and Cotton, R.G.H., "Chemical Cleavage of Mismatch to Detect Mutations", <i>Meth. Enzymol.</i> , <u>217</u> :286-295, (1993)
	OO	Samson <i>et al.</i> , "Resistance to HIV-1 infection in caucasian individuals bearing mutant alleles of the CCR-5 chemokine receptor gene", <i>Nature</i> , <u>382</u> :722-725, (1996)
	OP	Sanger <i>et al.</i> , "DNA sequencing with chain-terminating inhibitors", <i>Proc. Natl. Acad. Sci. USA</i> , <u>74</u> (12):5463-5467, (1977)
	OQ	Sanghvi, Y.S., Book: <u>Antisense Research and Applications</u> , Chapter 15, "Heterocyclic Base Modifications In Nucleic Acids and Their Applications In Antisense Oligonucleotides", S.T. Crooke et al. (Eds.), CRC Press, Inc., Florida, 1993
J	OR	Saparbaev <i>et al.</i> , " <i>Escherichia coli</i> , <i>Saccharomyces cerevisiae</i> , rat and human 3-methyladenine DNA glycosylases repair 1, N ⁶ -ethenoadenine when present in DNA", <i>Nucl. Acids Res.</i> , <u>23</u> (18):3750-3755, (1995)

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OS	Sarin <i>et al.</i> , "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxy-nucleoside methylphosphonates", <i>Proc. Natl. Acad. Sci. USA</i> , <u>85</u> :7448-7451, (1988)
OT	Schächter <i>et al.</i> , "Genetic associations with human longevity at the APOE and ACE loci", <i>Nature Genetics</i> , <u>6</u> :29-32, (1994)
OU	Schwartz, R.M. and Dayhoff, M.O., "Matrices for Detecting Distant Relationships", <i>Atlas of Protein Sequence and Structure</i> , pages 353-358, (1978)
OV	Scopes, R.K., Book: <u>Protein Purification. Principles and Practice</u> , Springer-Verlag, New York, (1982)
OW	Scott, J., "Cyclic Nucleotide-Dependent Protein Kinases", <i>Pharmac. Ther.</i> , <u>50</u> :123-145, (1991)
OX	Scott <i>et al.</i> , "Type II Regulatory Subunit Dimerization Determines the Subcellular Localization of the cAMP-dependent Protein Kinase", <i>J. Biol. Chem.</i> , <u>265</u> (35):21561-21566, (1990)
OY	Senko <i>et al.</i> , "Automated Assignment of Charge States from Resolved Isotopic Peaks for Multiply Charged Ions", <i>J. Am. Soc. Mass Spectrom.</i> , <u>6</u> :52-56, (1995)
OZ	Senter <i>et al.</i> , "Novel photocleavable protein crosslinking reagents and their use in the preparation of antibody-toxin conjugates", <i>Photochem. Photobiol.</i> , <u>42</u> :231-237, (1985)
PA	<u>Sequence Analysis in Molecular Biology</u> , Book: Treasure Trove or Trivial Pursuit, von Heijne, G., Academic Press, Inc., New York, 1987
PB	<u>Sequence Analysis Primer</u> , Book: Gribskov M. and Devereux, J. (Eds.), W.H. Freeman and Company, New York, 1992
PC	Sequenom Advances the Industrial Genomics Revolution with the Launch of Its DNA MassArray™ Automated Process Line, Press Release: Sept. 28, 1998, http://www.sequenom.com/pressrelease.htm .
PD	Sequenom Completes Design of More Than 400,000 SNP Assays; Mass EXTEND™ Assay Portfolio Covers Majority of SNPs in the Public Domain, Press Release; Oct. 10, 2000, http://www.sequenom.com/ir/ir_prs.asp
PE	Sequenom and Gemini Identify Genes Linked to Cardiovascular Disease, Press Release: Nov. 28, 2000, http://www.sequenom.com/ir/ir_prs.asp

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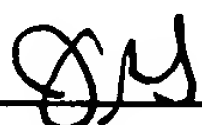
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2	PF	Sequenom Announces Publication of Results From Large-Scale SNP Study With the National Cancer Institute, Press Release: Jan. 16, 2001, http://www.sequenom.com/ir/ir_prs.asp
	PG	Sequenom: Technologies and Tools, located at http://www.sequenom-san.com/tech/tools.html , dated 08/29/99
	PH	Siegert <i>et al.</i> , "Matrix-Assisted Laser desorption/ionization Time-of-Flight Mass Spectrometry for the detection of Polymerase Chain Reaction Containing 7-Deazapurine Moieties", <i>Anal. Biochem.</i> , <u>243</u> :55-65, (1996)
	PI	Smith, D.B. and Johnson, K.S., "Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase", <i>Gene</i> , <u>67</u> :31-40, (1988)
	PJ	Smith, T.F. and Waterman, M.S., "Comparison of Biosequences", <i>Advances in Applied Mathematics</i> , <u>2</u> :482-489, (1981)
	PK	Smith, L.M., "Sequence from spectrometry: A realistic prospect", <i>Nature Biotechnology</i> , <u>14</u> :1084-1085, (1996)
	PL	Sokolov, B.P., "Primer extension technique for the detection of single nucleotide in genomic DNA", <i>Nucl. Acids Res.</i> , <u>18</u> (12):3671, (1989)
	PM	Srinivasan <i>et al.</i> , "Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry as a Rapid Screening Method to Detect Mutations Causing Tay-Sachs Disease," <i>Rapid Communications in Mass Spectrometry</i> , <u>11</u> :1144-1150, (1997)
	PN	Stein <i>et al.</i> , "Physicochemical properties of phosphorothioate oligodeoxynucleotides", <i>Nucl. Acids Res.</i> , <u>16</u> :3209-3221, (1988)
	PO	Steward <i>et al.</i> , "Human β -Globin Gene Sequence Injected into Mouse Eggs, Retained in Adults, and Transmitted to Progeny", <i>Science</i> , <u>217</u> :1046-1048, (1982)
	PP	Stillman, B.W. and Gluzman, Y., "Replication and Supercoiling of Simian Virus 40 DNA in Cell Extracts from Human Cells", <i>Mol. Cell. Biol.</i> , <u>5</u> (8):2051-2060, (1985)
	PQ	Sugisaki, H. and Kanazawa, S., "New restriction endonucleases from <i>Flavobacterium okeanoicoites</i> (FokI) and <i>Micrococcus luteus</i> (MluI)", <i>Gene</i> , <u>16</u> :73-78, (1981)
	PR	Syvänen <i>et al.</i> , "A Primer-Guided Nucleotide Incorporation Assay in the Genotyping of Apolipoprotein E", <i>Genomics</i> , <u>8</u> :684-692, (1990)
↓	PS	Syvänen <i>et al.</i> , "Identification of Individuals by analysis of Biallelic DNA markers, using PCR and Solid-Phase Minisequencing", <i>Am. J. Hum. Genet.</i> , <u>52</u> :46-59, (1993)

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Q	PT	Szybalski <i>et al.</i> , "Class-IIS restriction enzymes - a review", <i>Gene</i> , <u>100</u> :13-26, (1991)
	PU	Takio <i>et al.</i> , "Primary structure of the regulatory subunit if type II cAMP dependent protein kinase from bovine cardiac muscle", <i>Proc. Natl. Acad. Sci. USA</i> , <u>79</u> :2544-2548, (1982)
	PV	Tammen <i>et al.</i> , "Proteolytic cleavage of glucagon-like peptide-1 by pancreatic β cells and by fetal calf serum analyzed by mass spectrometry", <i>J. Chromatogr. A</i> , <u>852</u> :285-295, (1999)
	PW	Tang <i>et al.</i> , "Chip-based genotyping by mass spectrometry", <i>Proc. Natl. Acad. Sci. USA</i> , <u>96</u> :10016-10020, (1999)
	PX	Tang <i>et al.</i> , "Matrix-assisted laser desorption/ionization mass spectrometry of immobilized duplex DNA probes", <i>Nucl. Acids Res.</i> , <u>23</u> (16):3126-3131, (1995)
	PY	Taranenko <i>et al.</i> , "Laser desorption mass spectrometry for point mutation detection," <i>Genetic Analysis: Biomolecular Engineering</i> , <u>13</u> :87-94, (1996)
	PZ	Thompson, J.N., "Fitting robots with white coats", <i>Laboratory Automation and Information Management</i> , <u>31</u> :173-193, (1996)
	QA	Tobe <i>et al.</i> , "Single-well genotyping of diallelic sequence variations by a two-color ELISA-based oligonucleotide ligation assay", <i>Nucl. Acids Res.</i> , <u>24</u> :3728-3732, (1996)
	QB	<u>Transscription and translation</u> , a practical approach, Book: Hames, B.D. and Higgins, S.J. (Eds.), IRL Press Limited, Oxford, England (1984)
	QC	Udenfriend <i>et al.</i> , "Scintillation Proximity Assay: A Sensitive and Continuous Isotopic Method for Monitoring Ligand/Receptor and Antigen/Antibody Interactions", <i>Anal. Biochem.</i> , <u>161</u> :494-500, (1987)
	QD	Udenfriend <i>et al.</i> , "Scintillation proximity radioimmunoassay utilizing ^{125}I -labeled ligands", <i>Proc. Natl. Acad. Sci. USA</i> , <u>82</u> :8672-8676, (1985)
	QE	Ugozzoli, <i>et al.</i> , "Detection of Specific Alleles by Using Allele-Specific Primer Extension Followed by Capture on Solid Support", <i>Genet. Anal. Tech. Appl. (GATA)</i> , <u>9</u> (4):107-112, (1992)
	QF	Uracil-DNA Glycosylase, product description. Roche Molecular Biochemicals Catalog Version 3, Nov. 1999 http://biochem.roche.com/pack-insert/1269062a.pdf , (12/21/00)
J	QG	Uracil-DNA Glycosylase (UDG), product description. New England Biolabs. http://circuit.neb.com/neb/products/mod_enzymes/280.html , (12/21/00)

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Q	QH	Urlaub, G. and Chasin, L.A., "Isolation of Chinese hamster cell mutants deficient in dihydrofolate reductase activity", <i>Proc. Natl. Acad. Sci. USA</i> , <u>77</u> (7):4216-4220, (1980)
	QI	van den Boom <i>et al.</i> , "Forward and Reverse DNA Sequencing in a Single Reaction", <i>Anal. Biochem.</i> , <u>256</u> :127-129, (1998)
	QJ	van den Boom <i>et al.</i> , "Combined amplification and sequencing in a single reaction using two DNA polymerase with differential incorporation rates for dideoxynucleotides", <i>J. Biochem. Biophys. Methods</i> , <u>35</u> :69-79, (1997)
	QK	Vaughan <i>et al.</i> , "Glycosylase mediated polymorphism detection (GMPD) -- anovel process for genetic analysis", <i>Genetic Analysis: Biomolecular Engineering</i> , <u>14</u> :169-175, (1999)
	QL	Wada <i>et al.</i> , "Detection of Single-nucleotide Mutations Including Substitutions and Deletions by Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry," <i>Rapid Communications in Mass Spectrometry</i> , <u>11</u> :1657-1660, (1997)
	QM	Waga <i>et al.</i> , "Reconstitution of Complete SV40 DNA Replication with Purified Replication Factors", <i>J. Biol. Chem.</i> , <u>269</u> (14):10923-10934, (1994)
	QN	Wagner <i>et al.</i> , "The human β -globin gene and a functional viral thymidine kinase gene in developing mice", <i>Proc. Natl. Acad. Sci. USA</i> , <u>78</u> :5016-5020, (1981)
	QO	Wallace <i>et al.</i> , "Hybridization of synthetic oligodeoxyribonucleotides to phi chi 174 DNA: the effect of single base pair mismatch", <i>Nucl. Acids Res.</i> , <u>6</u> :3543-3557, (1979)
	QP	Wang <i>et al.</i> , 'Allene γ_9 and γ_{10} : low-temperature measurements of line intensity', <i>J. Mol. Spectrosc.</i> , <u>194</u> (20):256-268, (1999)
	QQ	Weiler <i>et al.</i> , "Hybridisation based DNA screening on peptide nucleic acid (PNA) oligomer arrays", <i>Nucl. Acids Res.</i> , <u>25</u> :2792-2799, (1997)
	QR	Wigler <i>et al.</i> , "DNA-mediated transfer of the adenine phosphoribosyltransferase locus into mammalian cells", <i>Proc. Natl. Acad. Sci. USA</i> , <u>76</u> (3):1373-1376, (1979)
	QS	Wilson, G.G. and Murray, N.E., "Restriction and Modification Systems", <i>Annu. Rev. Genet.</i> , <u>25</u> :585-627, (1991)
	QT	Wolfenden <i>et al.</i> , "Affinities of Amino Acid Side Chains for Solvent Water", <i>Biochem.</i> , <u>20</u> :849-855, (1981)
	QU	Yen <i>et al.</i> , Optically controlled ligand delivery, 1 , "Synthesis of water-soluble copolymers containing photocleavable bonds", <i>Makromol. Chem.</i> , <u>190</u> :69-82, (1989)

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